Monitoring Data Record

Project Tirle: R-2210A Site 1 (Waynesville Site 1) COE Action ID: 200130653 Stream Name: Raccoon Creek DWQ Number: 010409 City, County and other Location Information: Sta, 30 on Bus, 23 S in Waynesville, Haywood Co. Date Construction Completed: July 2003 (lower portion), 2005 (upper portion) Monitoring Year: (5) of 5 Ecoregion: 8 digit HUC unit 06010106 USGS Quad Name and Coordinates: Rosgen Classification: Length of Project: 1225' Urban or Rural: Rural Watershed Size: Monitoring DATA collected by: M. Green and J. Young Date: 8/13/08 Applicant Information: Name: NCDOT Roadside Environmental Unit Address: 1425 Rock Quarry Rd. Raleigh, NC 27610 Telephone Number: (919) 861-3772 Email address: intercen@dot.state.nc.us Consultant Information: Name: Address: Telephone Number: Email address: Impreen@dot.state.nc.us Consultant Information: Name: Complete Monitoring Level required by COE and DWQ (404 permit/401 Cert.): Level Devel 1 monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events must occur during separate monitoring years. In the event that the required bankfull events on cocur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events on cocur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos taken in winter. Photos taken to document vegetation	Stream Name:	it 2210/1 bite 1 (viuyhesville bite 1) COL fiction 1b. 200130033
Date Construction Completed: July 2003 (lower portion), 2005 (upper portion) Monitoring Year: (5) of 5 Ecoregion: 8 digit HUC unit 06010106 USGS Quad Name and Coordinates: Rosgen Classification: Rosgen Rosgen Classification: Rosgen Rosge	City, County ar	
Monitoring Year: (5) of 5 Ecoregion: 8 digit HUC unit 06010106 USGS Quad Name and Coordinates: Rosgen Classification: Length of Project: 1225' Urban or Rural: Rural Watershed Size: Monitoring DATA collected by: M. Green and J. Young Date: 8/13/08 Applicant Information: Name: NCDOT Roadside Environmental Unit Address: 1425 Rock Quarry Rd. Raleigh, NC 27610 Telephone Number: (919) 861-3772 Email address: mlgreen@dot.state.nc.us Consultant Information: Name: Address: Telephone Number: Email address: Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level Project Status: Complete Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level Project Status: Complete Monitoring Level requires completion of Section 1, Section 2 and Section 3 Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo or location. We recommend the use of a photo identification board in each photo to identify location.	J /	nd other Location Information: Sta. 30 on Bus. 23 S in Waynesville, Haywood Co
Monitoring Year: (5) of 5 Ecoregion: 8 digit HUC unit 06010106 USGS Quad Name and Coordinates: Rosgen Classification: Length of Project: 1225' Urban or Rural: Rural Watershed Size: Monitoring DATA collected by: M. Green and J. Young Date: 8/13/08 Applicant Information: Name: NCDOT Roadside Environmental Unit Address: 1425 Rock Quarry Rd. Raleigh, NC 27610 Telephone Number: (919) 861-3772 Email address: mlgreen@dot.state.nc.us Consultant Information: Name: Address: Telephone Number: Email address: Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level Project Status: Complete Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level Project Status: Complete Monitoring Level requires completion of Section 1, Section 2 and Section 3 Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo or location. We recommend the use of a photo identification board in each photo to identify location.	Date Construct	ion Completed: July 2003 (lower portion), 2005 (upper portion)
USGS Quad Name and Coordinates: Rosgen Classification: Length of Project: 1225' Urban or Rural: Rural Watershed Size: Monitoring DATA collected by: M. Green and J. Young Date: 8/13/08 Applicant Information: Name: NCDOT Roadside Environmental Unit Address: 1425 Rock Quarry Rd. Raleigh, NC 27610 Telephone Number: (919) 861-3772 Email address: mlgreen@dot.state.nc.us Consultant Information: Name: Address: Telephone Number: Email address: mlgreen@dot.state.nc.us Consultant Information: Name: Address: Telephone Number: Email address: mlgreen@dot.state.nc.us Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 1 2 3 Monitoring Level requires completion of Section 1, Section 2 and Section 3 Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull events is documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events must occur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo location. We recommend the use of a photo identification boar	Monitoring Yea	ar: (5) of 5
Rosgen Classification: Length of Project: 1225: Urban or Rural: Rural Watershed Size: Monitoring DATA collected by: M. Green and J. Young Date: 8/13/08 Applicant Information: Name: NCDOT Roadside Environmental Unit Address: 1425 Rock Quarry Rd. Raleigh, NC 27610 Telephone Number: (919) 861-3772 Email address: mlgreen@dot.state.nc.us Consultant Information: Name: Address: Telephone Number: Email address: mlgreen@dot.state.nc.us Consultant Information: Name: Address: Telephone Number: Email address: Project Status: Complete Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 1 2 3 Monitoring Level requires completion of Section 1, Section 2 and Section 3 Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events do not occur during separate monitoring years. In the event that the required bankfull events do not occur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include and provided for all structures and cross section locations, should be taken in summer (at representative locations). Attach photos and a description of each reference photo or location. We recommend the use of a photo identification board in each photo to id	Ecoregion:	8 digit HUC unit
Length of Project: 1225' Urban or Rural: Rural Watershed Size: Monitoring DATA collected by: M. Green and J. Young Date: 8/13/08 Applicant Information: Name: NCDOT Roadside Environmental Unit Address: 1425 Rock Quarry Rd. Raleigh. NC 27610 Telephone Number: (919) 861-3772 Email address: mlgreen@dot.state.nc.us Consultant Information: Name: Address: Telephone Number: Email address: mlgreen@dot.state.nc.us Consultant Information: Name: Address: Telephone Number: Email address: mlgreen@dot.state.nc.us Complete Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 1/2 3 Monitoring Level requires completion of Section 1, Section 2 and Section 3 Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events do not occur during separate monitoring years. In the event that the required bankfull events do not occur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo or location. We rec	USGS Quad Na	ame and Coordinates:
Monitoring DATA collected by: M. Green and J. Young Date: 8/13/08 Applicant Information: Name: NCDOT Roadside Environmental Unit Address: 1425 Rock Quarry Rd. Raleigh. NC 27610 Telephone Number: (919) 861-3772 Email address: mlgreen@dot.state.nc.us Consultant Information: Name: Address: Telephone Number: Email address: mlgreen@dot.state.nc.us Consultant Information: Email address: Telephone Number: Email address: Telephone Number: Email address: Telephone Number: Email address: Telephone Number: Email address: Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 3 Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 4 Monitoring Level requires completion of Section 1, Section 2 and Section 3 Monitoring Level requires completion of Section 1, Section 2 and Section 3 Monitoring Level required period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events must occur during separate monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo location. We recommend the use of a photo identification board i	Rosgen	Classification:
Applicant Information: Name: NCDOT Roadside Environmental Unit Address: 1425 Rock Quarry Rd. Raleigh. NC 27610 Telephone Number: (919) 861-3772 Email address: mlgreen@dot.state.nc.us Consultant Information: Name: Address: Telephone Number: Email address: Telephone Number: Email address: Telephone Number: Email address: Telephone Number: Email address: Project Status: Complete Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 1 2 3 Monitoring Level requires completion of Section 1, Section 2 and Section 3 Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events do not occur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo or location. We recommend the use of a photo identification board in each photo to identify location. Total number of reference photo locations at this site: 6 reference points, 2 photos at each Dates reference photos have been taken at	Length of Proje	ect: 1225' Urban or Rural: Rural Watershed Size:
Name: NCDOT Roadside Environmental Unit Address: 1425 Rock Quarry Rd. Raleigh, NC 27610 Telephone Number: (919) 861-3772 Email address:mlgreen@dot.state.nc.us Consultant Information: Name:Address:	Monitoring DA	TA collected by: M. Green and J. Young Date: 8/13/08
Address: 1425 Rock Quarry Rd. Raleigh, NC 27610 Telephone Number: 919 861-3772 Email address: mlgreen@dot.state.nc.us Consultant Information: Name: Address: Telephone Number: Email address: Project Status: Complete Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 1 2 3 Monitoring Level of requires completion of Section 1, Section 2 and Section 3 Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events out during separate monitoring years. In the event that the required bankfull events do not occur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo or location. We recommend the use of a photo identification board in each photo to identify location. Total number of reference photo locations at this site: 6 reference points, 2 photos at each Dates reference photos have been taken at this site: 5/20/04, 11/1/04, 5/31/05, 3/21/06,	Applicant Infor	emation:
Telephone Number: (919) 861-3772	Name:	NCDOT Roadside Environmental Unit
Consultant Information: Name: Address: Telephone Number: Project Status: Complete Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 1 requires completion of Section 1, Section 2 and Section 3 Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events do not occur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo or location. We recommend the use of a photo identification board in each photo to identify location. Total number of reference photo locations at this site: 6 reference points, 2 photos at each Dates reference photos have been taken at this site: 5/20/04, 11/1/04, 5/31/05, 3/21/06, 10/18/06, 2/28/07, 9/12/07, 2/12/08, 8/13/08 Individual from whom additional photos can be obtained (name, address, phone): Other Information relative to site photo reference: A site map with photo point locations is included with this report.	Address	s: 1425 Rock Quarry Rd. Raleigh, NC 27610
Consultant Information: Name: Address: Telephone Number: Project Status: Complete Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 1 requires completion of Section 1, Section 2 and Section 3 Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events do not occur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo or location. We recommend the use of a photo identification board in each photo to identify location. Total number of reference photo locations at this site: 6 reference points, 2 photos at each Dates reference photos have been taken at this site: 5/20/04, 11/1/04, 5/31/05, 3/21/06, 10/18/06, 2/28/07, 9/12/07, 2/12/08, 8/13/08 Individual from whom additional photos can be obtained (name, address, phone): Other Information relative to site photo reference: A site map with photo point locations is included with this report.	Telepho	one Number: (919) 861-3772 Email address: mlgreen@dot.state.nc.us
Telephone Number:	-	
Telephone Number:	Name:	
Telephone Number:	Address	s:
Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 1 2 3 Monitoring Level 1 requires completion of Section 1, Section 2 and Section 3 Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events do not occur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo or location. We recommend the use of a photo identification board in each photo to identify location. Total number of reference photo locations at this site: 6 reference points, 2 photos at each Dates reference photos have been taken at this site: 5/20/04, 11/1/04, 5/31/05, 3/21/06, 10/18/06, 2/28/07, 9/12/07, 2/12/08, 8/13/08 Individual from whom additional photos can be obtained (name, address, phone): Other Information relative to site photo reference: A site map with photo point locations is included with this report.	Telepho	one Number: Email address:
Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 1 2 3 Monitoring Level 1 requires completion of Section 1, Section 2 and Section 3 Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events do not occur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo or location. We recommend the use of a photo identification board in each photo to identify location. Total number of reference photo locations at this site: 5/20/04, 11/1/04, 5/31/05, 3/21/06, 10/18/06, 2/28/07, 9/12/07, 2/12/08, 8/13/08 Individual from whom additional photos can be obtained (name, address, phone): Other Information relative to site photo reference: A site map with photo point locations is included with this report.		
Monitoring Level 1 requires completion of Section 1, Section 2 and Section 3 Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events do not occur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required. Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section) Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo or location. We recommend the use of a photo identification board in each photo to identify location. Total number of reference photo locations at this site: 6 reference points, 2 photos at each Dates reference photos have been taken at this site: 5/20/04, 11/1/04, 5/31/05, 3/21/06, 10/18/06, 2/28/07, 9/12/07, 2/12/08, 8/13/08 Individual from whom additional photos can be obtained (name, address, phone): Other Information relative to site photo reference: A site map with photo point locations is included with this report.		
Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo or location. We recommend the use of a photo identification board in each photo to identify location. Total number of reference photo locations at this site: 6 reference points, 2 photos at each Dates reference photos have been taken at this site: 5/20/04, 11/1/04, 5/31/05, 3/21/06, 10/18/06, 2/28/07, 9/12/07, 2/12/08, 8/13/08 Individual from whom additional photos can be obtained (name, address, phone): Other Information relative to site photo reference: A site map with photo point locations is included with this report.	documented that the red	
with this report.		quired bankfull events do not occur during the 5 year monitoring period, th
	required. Section 1. PHOTO (Monitoring at a Attach designation (na be provided for upstream and dwinter. Photos locations). Attach designation (na be provided for upstream and dwinter. Photos locations). Attach designation (na be provided for upstream and dwinter. Photos locations). Attach designation (na be provided for upstream and dwinter. Photos locations). Attach designation (na be provided for upstream and dwinter. Photos locations). Attach designation (na be provided for upstream and dwinter). Attach dwinter (na be provided for upstream and dwinter). Attach dwinter (na be provided for upstream and dwinter). Attach dwinter (na be provided for upstream and dwinter). Attach dwinter (na be provided for upstream and dwinter). Attach dwinter (na be provided for upstream and dwinter). Attach dwinter (na be provided for upstream and dwinter). Attach dwinte	Quired bankfull events do not occur during the 5 year monitoring period, the consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring period, the consultation with resource agencies, may determine that further monitoring period, the consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring period, the consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation. OREFERENCE SITES All levels must complete this section) SERVICE SITES SERVICE S
If required to complete Level 3 monitoring <u>only</u> stop here; otherwise, complete section 2.	required. Section 1. PHOTO (Monitoring at a Attach designation (na be provided for upstream and dwinter. Photos locations). Attach designation (na be provided for upstream and dwinter. Photos locations). Attach designation (na be provided for upstream and dwinter. Photos locations). Attach designation (na be provided for upstream and dwinter. Photos locations). Attach designation (na be provided for upstream and dwinter. Photos locations). Attach designation (na be provided for upstream and dwinter). Attach dwinter (na be provided for upstream and dwinter). Attach dwinter (na be provided for upstream and dwinter). Attach dwinter (na be provided for upstream and dwinter). Attach dwinter (na be provided for upstream and dwinter). Attach dwinter (na be provided for upstream and dwinter). Attach dwinter (na be provided for upstream and dwinter). Attach dwinte	Quired bankfull events do not occur during the 5 year monitoring period, the consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation with resource agencies, may determine that further monitoring is not consultation. With a situation with resource photo location and angle of all reference photo location. Photos should a situation beard in cach reference photo location should be taken in summer (at representative ach photos and a description of each reference photo or location. We recommend to identification board in each photo to identify location. The provided HTML representative ach photos and a description of each reference photo or location. We recommend to identification board in each photo to identify location. The provided HTML representative ach photos and a description of each reference photo or location. We recommend to identification board in each photo to identify location. The provided HTML representative ach photos and a description of each reference photo or location. We recommend to identification board in each photo to identify location. The provided HTML representative ach photos and a description of each reference photo or location. We recommend to identify location. The provided HTML representative ach photos and a description of each reference photo or location. We recommend to identify location. The provided HTML representative ach photos and a description of each reference photo or location. We recommend to identify location.

Section 2. PLANT SURVIVAL Attach plan sheet indicating reference photos.	
Identify specific problem areas (missing, stressed, damaged or dead plantings):	
Estimated causes, and proposed/required remedial action:	
ADDITIONAL COMMENTS: Stream is highly vegetated with alder, tulip poplar, white	oak, river birch
white pine, elderberry, silky dogwood, sycamore, black willow, red maple, willow oak, buttonbush,	, arrowwood, and
thick herbaceous vegetation. Some of the herbaceous vegetation noted was goldenrod, jewelwee	d, sedge, Juncu
sp., tearthumb, and various herbaceous vegetation.	-

If required to complete Level 1 and Level 2 monitoring <u>only</u> stop here; otherwise, complete section 3.

Section 3. CHANNEL STABILITY

Visual Inspection: The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. <u>Physical measurements of channel stability/morphology will not be required.</u> Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

Raccoon Creek is stabilized for the Year 5 Summer Evaluation but as noted in previous reports, the stream is experiencing some bank erosion in several bends on the outside bank and some minor bank erosion behind some of the rootwads. However, this is not affecting the overall stability of the stream at this time. These areas are highly stabilized with herbaceous and woody vegetation. No remedial action is necessary and NCDOT will continue to monitor the stream.

Date Station Station Station Station Station Inspected Number Number Number Number Number Structure Type Is water piping through or around structure? Head cut or down cut present? Bank or scour erosion present? Other problems noted?

NOTE: Attach separate narrative sheets to each monitoring report describing/discussing the overall monitoring results. Include the identification of specific problem areas/channel failures, estimated cause and proposed/required remedial action. This should include a brief discussion of any parameter that has changed significantly from asbuilt.

Waynesville Site 1



Photo 1(Upstream)



Photo 2 (Downstream)



Photo 3 (Upstream)



Photo 4 (Downstream)



. .



Photo 6 (Downstream)

Waynesville Site 1



Photo 7 (Upstream)



Photo 8 (Downstream)





Photo 10 (Downstream)



Photo 11 (Upstream)



Photo 12 (Downstream)

Year 5 Summer – August 2008

